

Title (en)

Preparation containing aramide fibers and their use.

Title (de)

Präparationshaltige Aramidfasern und deren Verwendung.

Title (fr)

Préparation contenant des fibres aramides et leur emploi.

Publication

EP 0665323 A3 19970820 (DE)

Application

EP 95100370 A 19950112

Priority

DE 4402193 A 19940126

Abstract (en)

[origin: DE4402193C1] Aramid fibres contain 0.5-4 wt.% of a prepn. (1) contg. (A) anionic antistatic based on a salt of a mono- or di-alkyl phosphate or mono- or di-aryl phosphate ester, a salt of an alkyl- or aryl-phosphonic acid ester, or a mixt. thereof, (B) a cpd. of formula $R_{<1>-}COO-(CH_2-CH_2-O)_x-R_{<2>-}$ (I) and (C) a cpd. of formula $R_{<3>-}O-(R_{<4>-}O)_y-R_{<5>-}$ (II). In formulae, $R_{<1>-}$ = 1-22C alkyl or 2-22C alkenyl; $R_{<2>-}$ = H or 1-22C alkyl; $R_{<3>-}$ = 1-22C alkyl, 2-22C alkenyl or the di-, tri- or tetra-valent residue of an opt. unsaturated aliphatic alcohol; $R_{<4>-}$ = ethylene (or ethylene and propylene or butylene if $y = 2, 3$ or 4); $R_{<5>-}$ = 1-22C alkyl; $x = 2-20$; and $y = 1-8$. Pref. (A) is the alkali salt of an alkylphosphonic acid alkyl ester, pref. a K salt of a mono- and/or di-(8-20C alkyl)-phosphonic acid ester, or esp. pref. an alkali salt of a mono- or di-alkyl phosphate.

IPC 1-7

D06M 13/17; **D06M 13/224**; **D06M 13/372**; **D06M 13/288**; **D06M 13/292**

IPC 8 full level

D01F 11/08 (2006.01); **D03D 15/00** (2006.01); **D04B 1/00** (2006.01); **D04H 1/42** (2012.01); **D04H 1/4342** (2012.01); **D04H 3/009** (2012.01); **D06M 13/02** (2006.01); **D06M 13/17** (2006.01); **D06M 13/224** (2006.01); **D06M 13/244** (2006.01); **D06M 13/282** (2006.01); **D06M 13/288** (2006.01); **D06M 13/292** (2006.01); **D06M 13/295** (2006.01); **D06M 15/53** (2006.01); **D06M 101/00** (2006.01); **D06M 101/16** (2006.01); **D06M 101/30** (2006.01); **D06M 101/34** (2006.01); **D06M 101/36** (2006.01)

CPC (source: EP US)

D04H 1/42 (2013.01 - EP US); **D04H 1/4342** (2013.01 - EP US); **D04H 3/009** (2013.01 - EP US); **D06M 7/00** (2013.01 - EP US); **D06M 13/17** (2013.01 - EP US); **D06M 13/224** (2013.01 - EP US); **D06M 13/288** (2013.01 - EP US); **D06M 13/292** (2013.01 - EP US); **D06M 13/295** (2013.01 - EP US); **D06M 2101/36** (2013.01 - EP US); **D06M 2200/40** (2013.01 - EP US); **Y10T 428/2933** (2015.01 - EP US); **Y10T 428/2969** (2015.01 - EP US)

Citation (search report)

- [DA] EP 0416486 A2 19910313 - DU PONT [US]
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- [A] EP 0547846 A1 19930623 - MILLIKEN RES CORP [US]
- [DA] UNBEKANNT: "Processing finish for amorphous aramid staple", RESEARCH DISCLOSURE, no. Zusammenfassung 21901, July 1982 (1982-07-01), pages 239 - 240, XP000676481

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Designated contracting state (EPC)

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DOCDB simple family (application)

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